

MULTIMEDIA



UNIVERSITY

STUDENT ID NO

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# MULTIMEDIA UNIVERSITY

## FINAL EXAMINATION

TRIMESTER 1, 2016/2017

### BIM1014 – INFORMATION SYSTEMS AND MULTIMEDIA

(All sections / Groups)

19 OCTOBER 2016

2.30 p.m. - 4.30 p.m.

(2 Hours)

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#### INSTRUCTIONS TO STUDENTS

1. This question paper consists of 2 pages excluding cover page.
2. There is 5 questions and answer ALL questions.
3. Please write all your answers in the Answer Booklet provided.

**QUESTION 1**

The global market has expanded. The people and companies can get products and services from around the world, instead of around the corner and across town. These opportunities, however, introduce a number of obstacles and issues. Explain 5 obstacles with example of the global challenges in information systems. (20 Marks)

**QUESTION 2**

- a. Explain 2 potential issues that can arise if an organization is not careful in selecting a reputable service organization to recycle or dispose of the outdated hardware devices. (10 Marks)
- b. Name 3 cloud storage apps that are available in the market now. (6 Marks)
- c. Describe 2 advantages of cloud storage compared to the permanent hard-disk storage available in the computer. (4 Marks)

**QUESTION 3**

- a. Explain 3 risks of transmitting data over an unsecured Wi-Fi network. (6 Marks)
- b. Name 2 steps to secure a Wi-Fi Protected Access network. (4 Marks)
- c. Describe 2 possible social concerns with example of the use of geolocation technologies? (10 Marks)

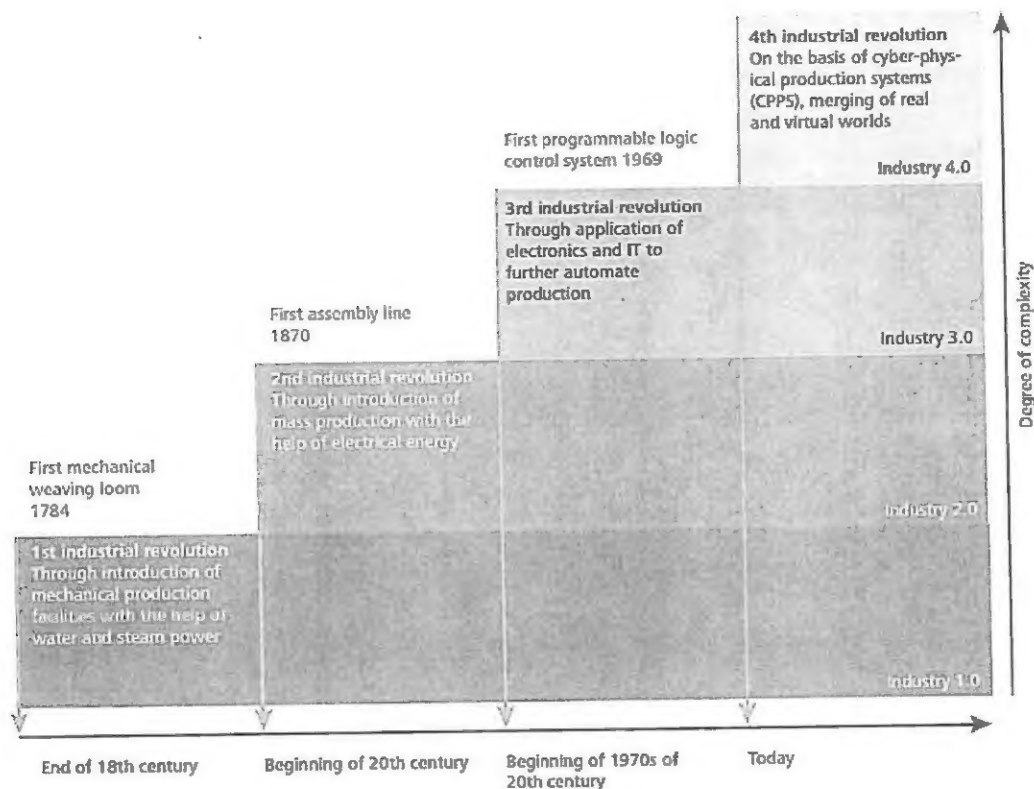
**QUESTION 4**

- a. State "True" or "False" for the following statement.
  - i. Rejected e-mail automatically goes to the junk e-mail of your e-mail service. (2 Marks)
  - ii. While a virus can completely halt the operation of a computer system, it is incapable of destroying programs or data. (2 Marks)
  - iii. Smartphones such as the iPhone and Google's Android phone can run applications are resistant to malware. (2 Marks)
  - iv. Copyright laws protect processes, machines, and compositions of matter. (2 Marks)
  - v. Tracking software for laptops is not yet available. (2 Marks)
  - vi. To protect your PC and prevent it from spreading malware to your co-workers, some antivirus software scans and cleans both incoming and outgoing e-mail messages. (2 Marks)

**Continued...**

- b. Discuss 2 company policies that can be set up to prevent computer waste and mistakes. (8 Marks)

### QUESTION 5



**Figure 1 Definition of Industry 4.0**

Figure 1 shows the definition of Industry 4.0. It seems that the industrial revolution happened since the end of 18<sup>th</sup> century.

- Explain 2 massive differences between the information systems used in Industry 3.0 and Industry 4.0. (10 Marks)
- Explain 2 information systems which could be used to leverage the development of industry 4.0. (10 Marks)

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